

DOCUMENT RESUME

ED 243 483

IR 050 709

AUTHOR

Welch, Jeanie M.

TITLE

A Survey of Online Bibliographic Searching in the Reference Department of a Medium-Sized University

Library.

PUB DATE NOTE

Apr 84 24p.

PUB TYPE

Reports - Research/Technical (143) --Tests/Evaluation Instruments (160)

EDRS PRICE

MF01/PC01 Plus Postage.

DESCRIPTORS

*College Libraries; Costs; Databases; Graphs; Higher Education; *Information Retrieval; Library Equipment;

*Library Services; *Online Systems; Publicity; Questionnaires; *Recordkeeping; Records (Forms);

Surveys; User Satisfaction (Information)

IDENTIFIERS

*Lamar University TX; Library Procedures

ABSTRACT

This paper describes the development of online bibliographic searching at Lamar University, a state-supported university in Beaumont, Texas, and the results of a 1983 users' survey evaluating satisfaction with online searching services. Online searching is defined and its advantages and disadvantages are briefly outlined. The equipment used in searching, the training of searchers, administrative procedures, charging practices, and publicity provided for online searching services are described. Two major findings of a survey of 33 users of online services (with a response rate of 67%) are reported: most searches were done in the areas of business, education, science, and technology; and many users stated that less than 50% of the citations generated were useful in their particular research. Recommendations for improving the service focus on equipment, facilities, statistical recordkeeping, continued user evaluation, and revisions of the library's procedures manual. Appendices provide data on the number of searches conducted, the most frequently searched databases, and average search costs by database. A sample search request form, promotional material on online searching, a sample user questionnaire, and a sample statistical recordkeeping form are also provided. (ESR)

********************** Reproductions supplied by EDRS are the best that can be made from the original document. *******************



U.S. DEPARTMENT OF EDUCATION
NATIONAL INSTITUTE OF EDUCATION
EOUCATIONAL RESOURCES INFORMATION

CENTER IERIC)

- This document has been reproduced as received from the person or organization originating it.
- Minor changes have been made to improve reproduction quality.
- Points of view or opinions stated in this document do not necessarily represent official NIE position or policy.

"A SURVEY OF

ONLINE BIBLIOGRAPHIC SEARCHING

IN THE REFERENCE DEPARTMENT

OF A MEDIUM-SIZED

UNIVERSITY LIBRARY

JEANIE M. WELCH
REFERENCE DEPARTMENT
MARY AND JOHN E. GRAY LIBRARY
LAMAR UNIVERSITY
BEAUMONT, TEXAS
APRIL, 1984

"PERMISSION TO REPRODUCE THIS MATERIAL HAS BEEN GRANTED BY

<u>Jeanie M.</u> Welch

TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)."

A SURVEY OF ONLINE BIBLIOGRAPHIC SEARCHING .

IN THE REFERENCE DEPARTMENT

OF A MEDIUM-SIZED UNIVERSITY LIBRARY, 1977-1983

- I. Introduction
 - A. Definition and development of online bibliographic searching
 - B. Development of online bibliographic searching at Lamar University
- II. Current online bibliographic searching practices
 - A. Equipment
 - B. Training
 - .C. Procedures
 - D. Charging practices
 - E. Publicity
- III. Conclusions and recommendations
 - A. Users' survey
 - B. Recommendations
- IV. Appendix

A SURVEY OF ONLINE BIBLIOGRAPHIC SEARCHING IN THE REFERENCE DEPARTMENT OF A MEDIUM-SIZED UNIVERSITY LIBRARY, 1977-1983

I. Introduction

A. Definition and Development of Online Bibliographic Searching
Online bibliographic searching is the use of a computer terminal to
search a collection of machine-readable records via several access points.

Online bibliographic searching began in the mid-1960s, and the U. S.
government was an early producer of databases in the fields of education
and medicine. Widespread online bibliographic searching in libraries began in the 1970s with the proliferation of new databases, the increase of
commercial vendors acting as middlemen between database producers and
users, and the development of more compact, less expensive equipment.

Online bibliographic searching has several advantages. These include speed, the convenience of having a tailor-made printed bibliography, a variety of access points (e.g., author and source) not available in printed indexes, a proliferation of databases on all subjects, and proliferation of citations (now numbering in the millions).²

Online bibliographic searching also has some disadvantages. These include the cost of equipment, training, and search aids (manuals, thesauri, etc.). There is also the dilemma of "free vs. fee," whether to charge patrons for searches, how much to charge, etc. Online bibliographic searching can also increase demand for interlibrary loan services in order to locate cited sources not in the library collection. There is also the dilemma of whether to subscribe to expensive, seldom-used, printed indexes that are also available online.

James L. Hall and Marjorie J. Brown, <u>Online Bibliographic Databases</u>:
An International Directory, 2nd ed., (London: Aslib, 1981), p. xv.

Libid., pp. xv-xvi.

'2

B. Development of Online Bibliographic Searching at Lamar University Lamar University is a supported institution of approximately 12,000 students, located and the following of University Professors. The Mary and John E. Gray Library ians in the Reference Department, all doing online bibliographic search. The Mary and John E. Gray Library is a member of AMIGOS and uses OCLC for acquisitions, cataloging, and interlibrary loan.

During the 1977-78 academic lear the Reference Department began to offer online bibliographic search g through AMIGOS. The service was provided to faculty, staff, and graduate students. Twenty-three searches were done. The staff also began ordering thesauri and other search aids for individual databases.

During the 1978-79 academic year the Reference Department acquired its own terminal, eliminating the need to go through AMICOS. Through its own terminal the Library had access to DIALOG, SDC, and MEDLINE, three of the major vendors. Members of the Reference Department began attending training sessions for both general searching and specialized searching in individual databases. During the 1979-80 academic year the Reference Department received two mini-grants from the Research Council, a campus-wide body, to acquaint faculty and graduate students with the service.

During the 1982-83 academic year the Reference Department wrote a detailed section on online bibliographic searching in the Reference Staff

Manual. By the end of the 1982-83 academic year the number of searches done since 1977-78 was 785, with 285 searches done during 1982-83. A statistical survey of the number of searches done is included in the appendix. It should be noted here that there has been a consistency in the databases searched. MEDLINE and ERIC are always among the most frequently-searched databases. A table of average search costs is also included in the appendix. Based on a sampling of the most frequently searched databases, an average search cost \$14.13, but charges varied from \$4.00 to \$34.49.

II. Current Online Bibliographic Searching

A. Equipment

The Library uses a Texas Instruments Silent 700 Portable Data Terminal with a built-in telephone coupler. There were a great deal of problems with



this terminal when first installed, but it has been reliable for the past few years. It is quiet, compact, and has few moving parts; little maintenance is required. The printer uses rolls of thermal paper and few other supplies. There is a dedicated telephone line to connect the terminal to the various telephone systems (e.g., Telenet and Tymnet).

The various vendors (SDC, DIALOG, and MEDLINE) provide searching procedure manuals and brief, descriptive sheets on individual databases. Individual database producers also produce their own thesauri (dictionaries of descriptors), and the Library has purchased thesauri for the most frequently-searched databases.

B. Training

The various vendors and database producers provide training, both beginning and advanced, for searchers. The three reference librarians currently doing searching have attended workshops provided by DIALOG, MEDLINE, and various individual database producers. The staff is encouraged to attend workshops held in East Texas (usually Houston or Dallas).

C. Procedures

A complete description of online bibliographic searching procedures is given in Section II-D of the <u>Reference Staff Manual</u>. It is estimated that total staff time involved in an online bibliographic search is from one-half hour to one hour. A summary of steps, involved in performing a search is given below.

- 1. The patron requests a search either in person at the Information Desk or by telephone.
- 2. The librarian conducts an interview to determine whether a search is appropriate and explains costs and procedures; the patron fills out a request form (see appendix); and an appointment is made for the search.
- 3. The librarian selects appropriate databases and determines a searching strategy (e.g., descriptors, commands, etc.)
- 4. At the appointed time the librarian explains the strategy to the patron and conducts the search with the patron present.
- 5. After the search is completed, the patron and librarian review the citations generated; payment is arranged; a receipt is given. If offline prints are ordered this step takes place when the prints are received.



- 6. The librarian enters the completed search in the log, and the request form, time and cost information from the search, and a copy of the receipt are filed.
- 7. The costs of the search are reconciled to a monthly statement from the vendor.

D. Charges

Charges for online bibliographic searching include the telephone charge, computer time, and total costs of citations generated (either on- or offline). Faculty may charge their searches to their departments with an appropriate account number. There is a surcharge for searches done for patrons not affiliated with Lamar University.

E. Public Relations

In order to acquaint graduate students and faculty with online bibliographic searching, the Library has used various means of publicity and public relations. Starting in October, 1977, with an article on the AMICOS Computerized Reference Service, there have been articles in the University Press, the school newspaper. In October, 1978, the Library Director circulated an intracampus memorandum to faculty and staff to announce the acquisition of the TI terminal. There was also an article in the Academic Bulletin (the staff newsletter), on March 22, 1979, announcing a demonstration of the service. Non-transferrable coupons for one free search (up to \$25.00) for new faculty have been distributed since Fall, 1980. A brochure entitled "Computerized Literature Search Service" was published in 1980 and revised in 1983 (see Appendix). It is on display in the reference area and enclosed with the free coupon sent to new faculty. An article on online bibliographic searching appears in the library supplement to the University Press in the Fall semester.

Formal library instruction to graduate students also includes a lecture on online bibliographic searching. According to Knapp:

Probably the most common and perhaps the most successful introductions have been given to classes of new graduate students. ... Instruction about computer searching should be integrated with instruction about other library resources.

Informal contacts between librarians and faculty and meetings for new faculty are also used to publicize this service.

Sara D. Knapp, "Instructing Library Patrons about Online Reference Services," Bookmark, vol. 38 (Fall, 1979), p. 237

III. Conclusions and Recommendations

. A. Users' Survey

In order to evaluate users' satisfaction with online bibliographic (searching, a questionnaire was sent to thirty-three patrons who requested searches during the Fall, 1983, semester. Twenty-two questionnaires were returned for a return rate of 66.6%. While this sample is minimal, some preliminary conclusions can be drawn from the responses.

Most searches were done in the areas of business, education, and science and technology. The majority of searches yielded citations, but many patrons stated that less than 50% of the citations generated were useful in their particular research. The majority felt that the librarians were helpful and knowledgeable in searching. They also considered the cost to be average (not too high or too low). The majority also would consider using this service again and would recommend it to their colleages and/or students. Most heard about the service from a colleague or from library publicity. Of those patrons who made additional comments, the majority were favorable, and only two were negative (one extremely so).

These responses indicate that the librarians should be very careful and thorough in explaining searching capabilities and limitations. The conclusion that less than 50% of the citations generated were useful is a cause for further study. There may be several reasons for this response—inappropriate selection of databases or descriptors, the Library did not own the sources cited, or the patron did not use interlibrary loan to get additional sources. A summary of patron responses and a sample survey are included in the Appendix.

B. Recommendations

In the area of equipment the Reference Department has several recommendations. Searching is now done in a small office shared by two staff members. The area can be very cramped when a search is being done with the patron present. Ideally, a separate room in the reference area could house the terminal, telephone, searching aids, supplies, and records. This room could also provide more space for practical demonstrations.

While the present TI terminal has been reliable, it has some disadvantages. A terminal with a CRT (video screen) would give the patron a better view of the citations as they are generated. Other universities have used terminals with CRTs and printers for several years. A microcomputer with a CRT, telephone coupler, and a printer would have the advantages of greater speed and patron visibility, and it could also be



used for billing purposes and record keeping. Storage of information now entered manually in the search log would be easily retrievable for statistical analysis and billing purposes.

A proposed statistical sheet for the annual report is included in the Appendix. The American National Standards Committee 739 has recently published a revised standard for library statistics, including online bibliographic searching statistics, showing the importance of uniform statistics in this area.

The continued use of users' surveys is recommended to get feedback from patrons. Other academic libraries, such as the University of North Carolina at Greensboro, have conducted users' surveys, and the ALA/RASD/MARS Committee on Measurement and Evaluation of Service has published a recommended evaluation form. An evaluation form could be given to every patron after the search has been completed, or a survey could be conducted at stated intervals (e.g., alternating spring and fall semesters during the academic year).

The online bibliographic searching section of the Reference Staff

Manual should be revised to reflect changes in procedures. [Some changes have already taken place--more importance has been given to arranging appointments for searches instead of trying to do every search on a 'walk-in' basis, and a new request form is being used.]

The staff should continue to give thorough explanations of searching capabilities during the interview, including asking the patron which printed indexes have been consulted and whether the patron has seen a search done before. [During the 1983-84 academic year the Library began using a chart with a simple ERIC search done both on- and offline to demonstrate both formats].

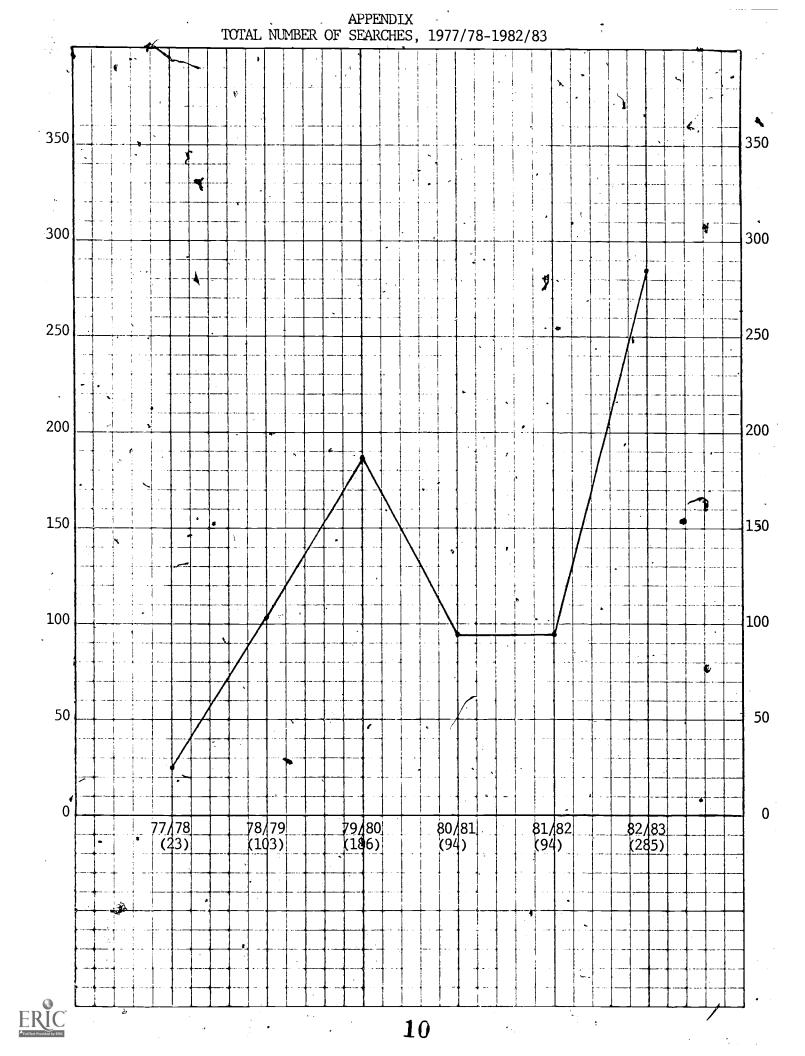
Statisfics show uneveneness in interest from faculty members (see Appendix). Perhaps additional public relations aimed at the faculty could stabilize faculty interest.

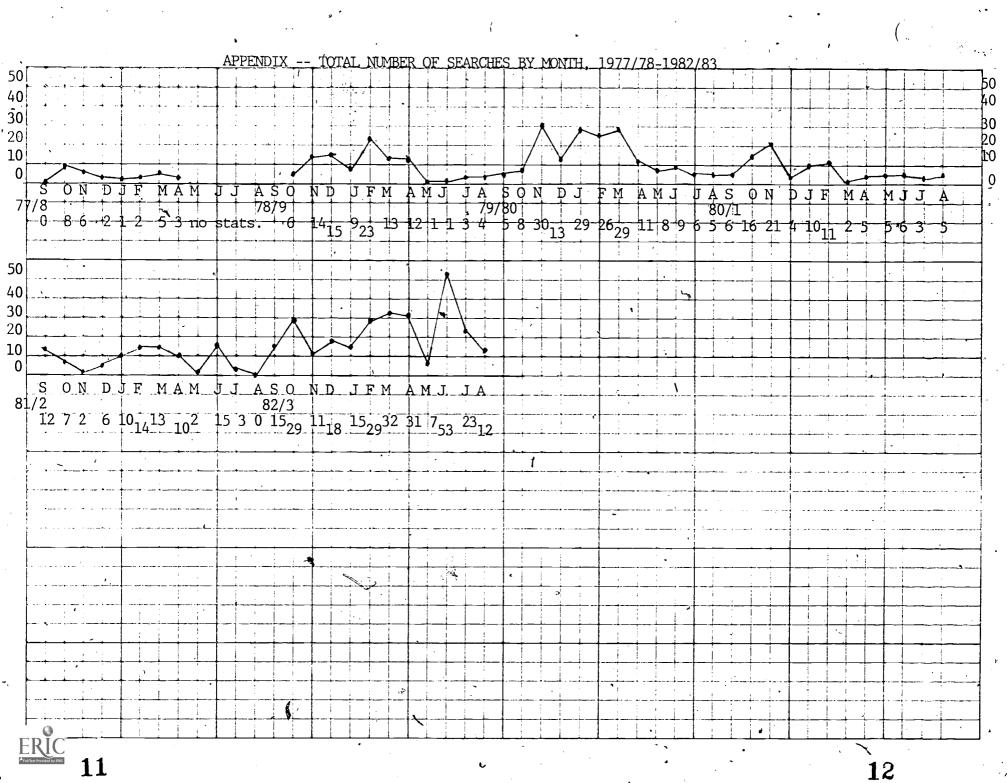


^{4&}quot;Library Statistics Standard Published," <u>College and Research Libraries</u> News, vol. 45, no. 4 (April, 1984), p. 203.

Marcia Kingley, "A Closer Look at the Hobgoblin: Users' Satisfaction with Computerized Literature Searches," North Carolina Libraries, vol. 40, no. 1 (Spring, 1982), pp. 37-41.

⁶Richard W. Blood, "Evaluation of Online Searches," RQ, v. 22, no. 3 (Spring, 1983), pp. 276-277.





APPENDIX
TOTAL NUMBER OF SEARCHES BY FACULTY, 1977/78-1982/83 __°15∳_ 150 125 125 100 100 **√**75 75 50 50 · 25 25 0, 0 77/78 78/79 79/80[?] (135) 82/83 (156) 81/82 80/81 3 (39) (17)(44)(39) (records incomplete) 13

APPENDIX TOTAL NUMBER OF SEARCHES BY CRADUATE STUDENTS, 1977/78-1982/83 78/79 (12) (records incomplete) 79/80 (49) 80/81 (34) 81/82 (47) 82/83 (125) (6)

APPENDIX

MOST FREQUENTLY SEARCHED DATABASES 1977/78-1982/83

| ACADEMIC YEAR | NAME OF DATABASE | NUMBER OF TIMES SEARCHED |
|---------------------------------------|------------------------------|--------------------------|
| 1977-78 | Medline - | 5 |
| | ERIC | 4 |
| | Chemical Abstracts | 3 |
| | Psychinfo | 3 |
| 1978-79 | Medline | 12 |
| • | ERIC | 6 |
| | NTIS | 6 |
| | Social Scisearch | 5 |
| 1979-80 | Medline | 66 |
| • | ER I C | 26 |
| • | Psychinfo | 17 |
| | Biosis | 11 |
| | Social Scisearch | 8 |
| 1980-81 | Medline | 33 |
| · · · · · · · · · · · · · · · · · · · | ERIC | 26 |
| | Georef | 8 |
| | Chemical Abstracts | 6 |
| 1981-82 | ERIC | 43 |
| | Medline | 12 |
| • | ABI/INFORM | 8 |
| • | Psychinfo | 6 |
| 1982-83 | ERIC | 83 |
| | Chemical Abstracts | 39 |
| | Medline | 34 |
| | Compendex | 18 |
| | Exceptional Child Educ. Res. | 18 |



APPENDIX

AVERAGE COST OF ONLINE BIBLIOGRAPHIC SEARCHING FOR MOST ACTIVE BASES, 1982-83

| Compendex | \$25.83 |
|---------------------------------------|---------|
| Psychinfo | 20.09 |
| ABI/INFORM | 13.97 |
| Chemical Abstracts (per file) | 13.44 |
| Exceptional Child Education Resources | 11.99 |
| ERIC | 7.39 |
| MEDLINE | 6.20 |
| , | • |
| AVERAGE COST OF SEARCH | \$14.13 |
| | |

DATABASE SEARCH REQUEST

| Address (or Department an | d Campus Box |). | • | | <i>"</i> | • | • | |
|--|------------------|-------------------|---------------|-----------|----------|--------------------|----------|----------|
| , | | , <u> </u> | | | | • | | |
| • | _ | • | ; | - | • | • . | | . 62 |
| Telephone HomeW | ork | Means of | Payment_Ca | sh Ch | eck | _ Charge | ? | _ ' |
| • | | e | • | | ٠ | | (acct. | no. |
| I am authorized to charge | this search | to the | I agree | to pay a | 11 chái | rges in (| connect | tion |
| account number provided. | | | | is search | | ~.^ |) a . | |
| • | | | | | | | | • |
| (Signature) | • | ``` `. | (Signat | ur,e) | | | | <u> </u> |
| | | | | ., | | | | |
| SUBJECT OF SEARCH (please | be as speci | fic as pos | ssible, inc | luding re | levent | terms. | etc.) | • |
| 2 | · | | , | | | | , | |
| • | | • | | | •. | | | • |
| | | | | • | | | | |
| | | | | | | • | • | |
| | | | | | | | • | • |
| , | | | | • | • | | • | |
| PLEASE LIST ANY PRINTED S | OURCES ALREA | DY CONSUL | TED (e.g., | reference | books | , period | ical ˌiɪ | ndexe |
| PLEASE LIST ANY PRINTED S | OURCES ALREA | DY CONSUL | TED (e.g., | reference | books | , period | ical i | ndexe |
| | • | DY CONSUL | TED (e.g., | reference | books | , period | ical i | ndexe |
| To be filled in by librar | ŷ staff | DY CONSUL | TED (e.g., | reference | books | , period Search | | ndexe |
| To be filled in by librar DATABASE (name and number | ŷ staff | DY CONSUL | TED (e.g., | reference | books | | | ndexe |
| To be filled in by librar | ŷ staff | DY CONSUL | TED (e.g., | reference | books | | | ndexe |
| To be filled in by librar DATABASE (name and number | ŷ staff | DY CONSUL | TED (e.g., | reference | books | | | ndexe |
| To be filled in by librar DATABASE (name and number | ŷ staff | DY CONSUL | TED (e.g., | reference | books | | | ndexe |
| To be filled in by librar DATABASE (name and number | ŷ staff | DY CONSUL | TED (e.g., | reference | books | | | ndexe |
| To be filled in by librar DATABASE (name and number | ŷ staff | DY CONSUL | TED (e.g., | reference | books | | | ndexe |
| To be filled in by librar DATABASE (name and number | ŷ staff | DY CONSUL | TED (e.g., | reference | books | | | ndexe |
| To be filled in by librar DATABASE (name and number | ŷ staff | DY CONSUL | TED (e.g., | reference | books | | | ndexe |
| To be filled in by librar | ŷ staff | DY CONSUL | TED (e.g., | reference | books | | | ndexe |
| To be filled in by librar DATABASE (name and number | ŷ staff | DY CONSUL | TED (e.g., | reference | books | | | ndexe |
| To be filled in by librar DATABASE (name and number DESCRIPTORS | y staff | DY CONSUL | TED (e.g., | reference | books | | | ndexe |
| To be filled in by librar DATABASE (name and number DESCRIPTORS PRINTS Online Offline | y staff | DY CONSUL | TED (e.g., | reference | books | | | ndexe |
| To be filled in by librar DATABASE (name and number DESCRIPTORS PRINTS Online Offline OFFLINE PRINTS RECEIVED | ý staff | DY CONSUL | TED (e.g., | reference | books | | | ndexe |
| To be filled in by librar DATABASE (name and number DESCRIPTORS PRINTS Online Offline OFFLINE PRINTS RECEIVED PATRON NOTIFIED | y staff) (date) | DY CONSUL | TED (e.g., | reference | books | | | ndexe |
| OFFLINE PRINTS RECEIVED PATRON NOTIFIED | ý staff | DY CONSUL | TED (e.g., | reference | books | | | ndexe |

| | SEL | .EC | TED | DAT | TABA | SES |
|--|-----|-----|-----|-----|-------------|-----|
|--|-----|-----|-----|-----|-------------|-----|

(Subject to frequent price changes)

BUSINESS AND ECONOMICS

| database | caverage cast/\$ | print charge/cit |
|------------------------|------------------------|------------------|
| ABI/INFORM (Data Cour | ier) | |
| • | 1971-date 73/hr | .30 |
| DISCLOSURE II | 1980-date 60/hr | 10.00 |
| ECONOMICS Abstracts In | | ~ |
| • | 1974-date 65/hr | .20 |
| MANAGEMENT CONTEN | ITS . | |
| · , | 1974 date 75/hr | .30 |
| PTS FUNK & SCOTT INDE | XES (Predicasts, Inc.) | |
| | 1972-date 90/hr | .25 |

GOVERNMENT DOCUMENTS AND INTERDISCIPLINARY

| ASI (American Statistics Index) | , |
|---|-----|
| 1973-date 90/hr | .15 |
| CIS (Cangressianal Information Service) | |
| 1970-date 90/hr / | .25 |
| COMPREHENSIVE DISSERTATION INDEX | |
| 1861-date 70/hr | .20 |
| | |

MEDICINE

MEDLARS (Medline, Taxline, Chemline, Cancerpra, etc.)
1966-date 15/hr .18/page

SCIENCE AND TECHNOLOGY

| SCIENCE AND TE | CHNOLOGY | |
|-----------------------------|--------------------------|-----|
| BIOSIS REVIEWS (Biological | Abtracts) | |
| | 1969-date 58/hr * | .15 |
| CA (American Chem. Sacie | ty) | • |
| | 1967-date 64/hr | .20 |
| COMPENDEX (Engineering | Index, inc.) | |
| | 1970-date 80/hr | .30 |
| ENERGYLINE | 1971-date 90/hr | .25 |
| FOOD SCIENCE & TECHNO | LOGY ABSTRACTS | |
| | 1969-date 65/hr | .15 |
| GEOARCHIVE (Geosystems) | 1969-date 70/hr 📝 | .20 |
| GEOREF | 1961-date 82 / hr | .20 |
| INSPEC | 1969-date 75/hr | .25 |
| ISMEC (Inst. Mech. Engrs.) | 1973-date 73/hr | .20 |
| METADEX (Metal Abstracts) | 1966-date 80/hr | .15 |
| POLLUTION (Pallutian Abstr | octs) | |
| | 1970-date 73/hr | .20 |
| SCISEARCH (Science Citatio | ın Index) | * |
| | 1974-date 65/hr | .15 |
| SSIE (Smithsonian Science t | nformation Exchange) | |
| · · · | latest 2 yrs.78/hr | .20 |
| | | |

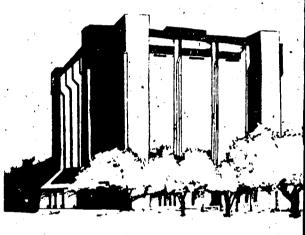
SOCIAL SCIENCES AND HUMANITIES

| OCIAL SCIEIAC | ES MIAD LIONWIAL | IIES |
|---|-------------------------------|--------------|
| MERICA: History and Li | fe 1964-date 55/hr | .15 |
| ARTBIBLIOGRAPHIES MO | DERN | 4 |
| | 1974-date 60/hr | `.15 |
| RIC | 1966-date 25/hr | .10 |
| XCEPTIONAL CHILD ED | UCATION RESOURCES | 1 |
| | 1966-date 25/hr | .10 |
| IISTORICAL ABSTRACTS | 1973-date 65/hr. | .15 |
| ANGUAGE AND LANGE | AGE BEHAVIOR ABSTRACT | s |
| | 1973-date 55/hr | .15 |
| ALA BIBLIOGRAPHY | 1976-date 55/hr - 1 | .15 |
| IICEM (National Informa | ation Center for Educational | Medic |
| 4 | 1964-date 70/hr | .20 |
| AIS INTERNATIONAL | 1976-date 60/hr 🌼 🕒 | .15 |
| ILM ABSTRACTS (Repert | aire Inter. Litt. Musicale) . | • |
| | 1972-date 65/hr | .15 |
| OCIAL SCISEARCH | 1972-date 75/hr / | .15 |
| OCIOLOGICAL ABSTRAC | TS• | |
| - , -, -, -, -, -, -, -, -, -, -, -, -, -, | 1963-date 55/hr * | ⊶. 15 |
| SYCINFO | 1967-date 65/hr ** | .10 |
| NITED STATES POLITICA | L SCIENCE DOCUMENTS | |
| | 1975-date 65/hr | 15 |

LAMAR UNIVERSITY

Title VI (C. R. Act 1964); Exec. Ord. 11246; Title IX; Sec. 504 (Rehab. Act 1973). Inquiries refer to Office of the President, Lamar University;

COMPUTERIZED LITERATURE SEARCH SERVICE



MARY AND JOHN GRAY LIBRARY

A COMPUTERIZED LITERATURE. SEARCH SERVICE

Computerized literature searching is an automated method of scanning indexes so that one may compile bibliographies on specific subjects. These indexes, known as databases, represent the equivalent of many of our hard-copy indexes and abstracts, and allow ready access to the information through a local computer terminal telephone node.

WHERE ARE THE DATABASES

Lamar Gray Library has access to more than 100 databases. These are available through MEDLARS of the National Library of Medicine (Washington, D.C.), DIALOG of Lockheed (Palo Alto, CA), and ORBIT of Systems Development Corporation (Santa Monica, CA).

WHAT DO THEY COVER?

Databases cover a wide variety of subjects in the social sciences, science and technology, business and economics, education, and a few in the humanities. The average retrospective coverage for most bases is ten years.

MANUAL VERSUS COMPUTER SEARCH

A computer search is preferable when rapid access to current literature is necessary, when a large number of terms describe a topic, when a topic is too new or specific for establishment of a subject term, or when two or more ideas are combined. A typical example of the latter might be a search on "increased energy development and its resulting effect on air quality." Both concepts, "energy development" and "air quality", can be combined on the terminal and the bibliography will contain only those articles which discuss both concepts.

ON-LINE OR OFF-LINE

Each citation provides full bibliographic information. Some databases also include abstracts. Depending upon the number of citations to be printed, it is often advisable to have them printed "off-line" and mailed. The cost of off-line is per citation rather than on an hourly basis and consequently considerably less than on-line printing.

HOW DOES ONE DO A SEARCH?

Fill in a search request form and schedule an interview with a Reference Librarian (ext. 8128). Both of these steps are necessary to insure a quality search. The searcher needs to know your specific needs and all restricting parameters. Once the search request and interview are finalized, the librarian usually will run the search within 24 hours. Off-line printing will be received within a week.

A list of some of the databases available to us in several broad subject categories is listed on the back of this brochure. Please keep in mind that this is a select list. For a complete list of accessible databases, contact the reference department staff.

COSTS

Database access is provided to the library on a charge basis. The patron assumes the direct costs. Recent studies indicate that an average search costs \$28.00. However, the costs vary widely with construction of the search strategy and the database accessed. The list of databases includes hourly and offline printing charges. Individuals may pay by personal check at the time a bibliography printout is picked up or it may be charged to a University or grant account.



MEMORANDUM

DATE:

NOV. 4, 1983

TO:

FROM: SUBJECT:

REFERENCE DEPARTMENT, GRAY LIBRARY

COMPUTER SEARCHING



In order to improve our service to library patrons, the Gray Library Reference Department is evaluating its computer searching service. We are asking library patrons who have had recent searches done to please fill out the enclosed questionnaire and return it to Box 10021 by Nov. 18.

We would appreciate your taking the time to complete this form and return it in the addressed envelope provided. Please detach your name from this memorandum to insure confidentiality.

Thank you for your assistance.



LAMAR UNIVERSITY
MARY and JOHN GRAY LIBRARY

Box 10021 Lamar University Station Beaumont, Texas 77710 November 4, 1983

COMPUTER SEARCHING OPINION QUESTIONNAIRE

| 1. | What is your ur | niversity | status? | Graduate | student | | Faculty | 12 (one | person |
|----|-----------------|-----------|---------|----------|---------|------|---------|---------|---------|
| • | • | | | Other | (please | spec | cify) | check | ed both |

- 2. What was the subject area of your search? (please circle) Business 5 Education 5 Engineering 2 Health 3 Humanities / Other (please specify) Biology 3 Psychology 2 Computer Science / Government /
- 3. Were any citations generated by your search? Yes 2/ No /
- 4. How many of the citations were useful in your research?

 Less than 50%/3 51% to 75% 4 More than 75% 5
- 5. Was the librarian helpful in explaining computer search capabilities, procedures, and costs? Yes 20 No 2/1
- 6. Did the librarian seem knowledgeable in searching techniques and subject matter? Yes 19 No 2
- 7. If you paid the costs of your search, do you feel that the costs were:

 Too high 3 About average 2 Did not pay for search 6
- 8. Would you consider using this service again? Yes 17 No 2
- 9. Would you recommend this service to your colleagues and/or students? Yes /8~ No 2~
- 10. How did you hear about the computer search service?

 From a colleague 1 From library publicity 6 From a library orientation 3

 Other 3 (please specify) Professor 2 Research Council 1
- 11. Any additional comments:
 Favorable 8
 Unfavorable 2

PLEASE DETACH FROM INTRA-CAMPUS MEMORANDUM AND RETURN BY NOV. 18. THANK YOU.



DATABASE SEARCHING STATISTICS

| ACA | DEM | TC | YEAR | |
|-------|-----|-----|----------|--|
| 47047 | | 1.0 | 1 14 111 | |

| Tot | al num | ber of se | earches | • | | | • | • | |
|-----|---------|-----------|-------------|-----------|------------------------------------|-------------|--------|----------|------|
| | • | | for facul | ty | J | | • | • | |
| | • | | for gradu | | nts | | | | |
| Nun | ber of | searches | for libra | ry staff | | | | | |
| Num | nber of | searches | for non-L | amar patr | ons | | • | • | |
| Nun | nber of | database | es searches | | | · | | | |
| Mos | t freq | uently se | earched dat | abases | | Times se | arched | | cost |
| 1. | | - | | | | | • | | |
| 2. | | | | | | - <u></u> . | | | • |
| 3. | | | | | • | | | | |
| 4. | | | | | | <u> </u> | , | 1 | • • |
| 5. | • | 1 | | • | | | | | |
| 6. | • | • | | | | · | | | - |
| 7. | | | | | en Grand Art Color | <u> </u> | | · | • |
| 8. | | • | | | $0 \leq 1 \leq \frac{6}{6} \leq 1$ | : | | <u> </u> | |
| 9. | | | | | | | | | |
| 10. | • | | | | | | | <u> </u> | |
| | | d · | | | ĺ | | | | |
| Ave | erage c | ost of da | atabase sea | rch . | | | * - ** | | ** |

